CLAIMS

1	1.	An apparatus comprising:
2	a sequ	ence database configured to contain entries of sequences;
3	a sequ	ence comparitor configured to receive a patient sample sequence, to
4		compare the patient sample sequence with entries in the sequence database
5		to determine closest matches, and to normalize a matching score of the
6		closest matches.
1	2.	The apparatus of claim A1, wherein the sequence comparitor is further
2		configured to determine whether the matching score of the closest matches
3		are within a confidence threshold.
1	3.	The apparatus of claim A2 further comprising:
2	a patie	ent profile manager to reporting whether a sample patient identifier
3		associated with the patient sample sequence matches a matched patient
' 4		identifier associated with the closest match;
1	4.	The apparatus of claim A3 wherein the patient sample sequence is
2		sequenced from a virus.
1	5.	The apparatus of claim A4 wherein the virus is hepatitis or Human
2		Immunodeficiency Virus (HIV).
1	6.	The apparatus of claim A3 wherein the patient sample sequence is
2		sequenced from deoxyribonucleic acid (DNA).
1	7.	The apparatus of claim A5 wherein the confidence threshold is
2 .		approximately three standard deviations from an average normalized
3		score.
1	Q	A method comprising:

2	recei	ving a patient sample sequence, the patient sample sequence being associated
3		with a sample patient identifier;
4	comp	paring the patient sample sequence with entries in a sequence database to
5		determine closest matches, the closest matches being associated with a
6		matched patient identifier;
7	norm	alizing a matching score of the closest matches.
1	9.	The method of claim 8 further comprising:
2	deter	mining whether the matching score of the closest matches are within a
3		confidence threshold.
1	10.	The method of claim 9 further comprising:
2	repor	ting the closest matches within the confidence threshold.
1	. 11.	The method of claim 9 further comprising:
2	repor	ting whether the sample patient identifier matches the matched patient
3		identifier;
1	12.	The method of claim 11 wherein the patient sample sequence is sequenced
2		from a virus.
1	13.	The method of claim 12 wherein the virus is hepatitis or Human
2		Immunodeficiency Virus (HIV).
1	14.	The method of claim 10 wherein the patient sample sequence is sequenced
2		from deoxyribonucleic acid (DNA).
1	15.	The method of claim 13 wherein the confidence threshold is approximately
2		three standard deviations from an average normalized score.

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and instructions causing an apparatus executing the instructions to:

A computer-readable medium encoded with data and instructions, the data

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3	receive	e a patient sample sequence, the patient sample sequence being associated
4		with a sample patient identifier;
5	compa	re the patient sample sequence with entries in a sequence database to
6		determine closest matches, the closest matches being associated with a
7		matched patient identifier;
8	normal	lize a matching score of the closest matches.
1	17.	The computer-readable medium of claim 16 wherein the instruction further
2		causes an apparatus to:
3	determ	ine whether the matching score of the closest matches are within a
4		confidence threshold.
1	18.	The computer-readable medium of claim 17 wherein the instruction further
2		causes an apparatus to:
3	report	the closest matches within the confidence threshold.
1	19.	The computer-readable medium of claim 18 wherein the instruction further
2 .		causes an apparatus to:
3	report	whether the sample patient identifier matches the matched patient identifier;
1	20.	The computer-readable medium of claim 19 wherein the patient sample
2		sequence is sequenced from a virus.
1	21.	The computer-readable medium of claim 20 wherein the virus is hepatitis
2		or Human Immunodeficiency Virus (HIV).
1	22.	The computer-readable medium of claim 18 wherein the patient sample
2		sequence is sequenced from deoxyribonucleic acid (DNA).
1	23.	The computer-readable medium of claim 21 wherein the confidence
2		threshold is approximately three standard deviations from an average
3		normalized score.

1	24.	An apparatus comprising:
2 .	means	for receiving a patient sample sequence, the patient sample sequence being
3		associated with a sample patient identifier;
4	means	for comparing the patient sample sequence with entries in a sequence
5		database to determine closest matches, the closest matches being
6		associated with a matched patient identifier;
7	means	for normalizing a matching score of the closest matches.
1	25.	The apparatus of claim 24 further comprising:
2	means	for determining whether the matching score of the closest matches are
3		within a confidence threshold.
1	26.	The apparatus of claim 25 further comprising:
2	means	for reporting the closest matches within the confidence threshold.
1	27.	The apparatus of claim 26 further comprising:
2	means	for reporting whether the sample patient identifier matches the matched
3		patient identifief;
1	28.	The apparatus of claim 27 wherein the patient sample sequence is
2		sequenced from a virus.
1	29.	The apparatus of claim 28 wherein the virus is hepatitis or Human
2		Immunodeficiency Virus (HIV).
1	30.	The apparatus of claim 26 wherein the patient sample sequence is
2		sequenced from deoxyribonucleic acid (DNA).
1	31.	The apparatus of claim 29 wherein the confidence threshold is
2.		approximately three standard deviations from an average normalized

score.

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